

DEPTH SUMMARY LISTING

Date Created: 15-JUL-2009 16:02:45

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-JA Serial Number: 6726 Calibration Date: 3-Apr-2009 Calibrator Serial Number: 17 Calibration Cable Type: 7-46A XXS Wheel Correction 1: -6 Wheel Correction 2: -6	Type: CMTD-B/A Serial Number: 2986 Calibration Date: 16-Apr-2009 Calibrator Serial Number: 1049 Number of Calibration Points: 10 Calibration RMS: 373 Calibration Peak Error: 499	Type: 7-46A XXS Serial Number: 6019 Length: 9200 M <hr/> Conveyance Method: Wireline Rig Type: Offshore Floater with WMC

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	EMS-HRLA-TLD-CNL-GR-SP
Reference Log Run Number:	1
Reference Log Date:	11-Jul-2009

Depth Control Remarks

1. Schlumberger Depth Control Policy followed.
2. IDW used as primary depth control device.
3. Z-Chart used as secondary depth control device.
4. Tide level = 0 m.
- 5.
- 6.

DISCLAIMER

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OTHER SERVICES1

- OS1: EMS-HRLA-TLD-CNL-GR-SF
- OS2: MDT Dual Packer & Single Probe
- OS3:
- OS4:
- OS5:

REMARKS: RUN NUMBER 1

- This is the subsequence run in the well.
- The depth correlated with EMS-HRLA-TLD-CNL-GR-SP log on 11-Jul-09.
- Tool ran as per tool sketch and 2.5 inch standoffs used.
- Maximum recorded temperature from logging head thermometers = 33.89 degC.
- Maximum deviation = 0.70 deg @ 2749.79mBRT.
- Logging speed was 1,000 ft/hr.
- Repeat section was taken from 2900.0m - 2850.0m as per client request.

PPC used as for borehole measurement as well as tool centerization for Sonic Scanner.

Caliper check in casing = 18.75 inch.

Some of data affected by borehole condition (rugosity/washout).

Circulation Started: 11-Jul-2009; 1:45am

Circulation Stopped: 11-Jul-2009; 5:30am

AV=55 cps, PV=35 cps, YV=40 lb/100ft2, Gel=7-8 lb/100ft2, WL=4.1 ml, MC=0.5 mm

pH=10.6 ml, Pf=0.2 ml, Pm=0.3 ml, Mf=0.3 ml, Cl=-71,700 mg/l, Ca++Mg++=80/97 mg/l, Sand = 0.2%

O/S/W=0/6/94 %Vol, MBC=0.5 ml/ml mud, K+=26,400 mg/l

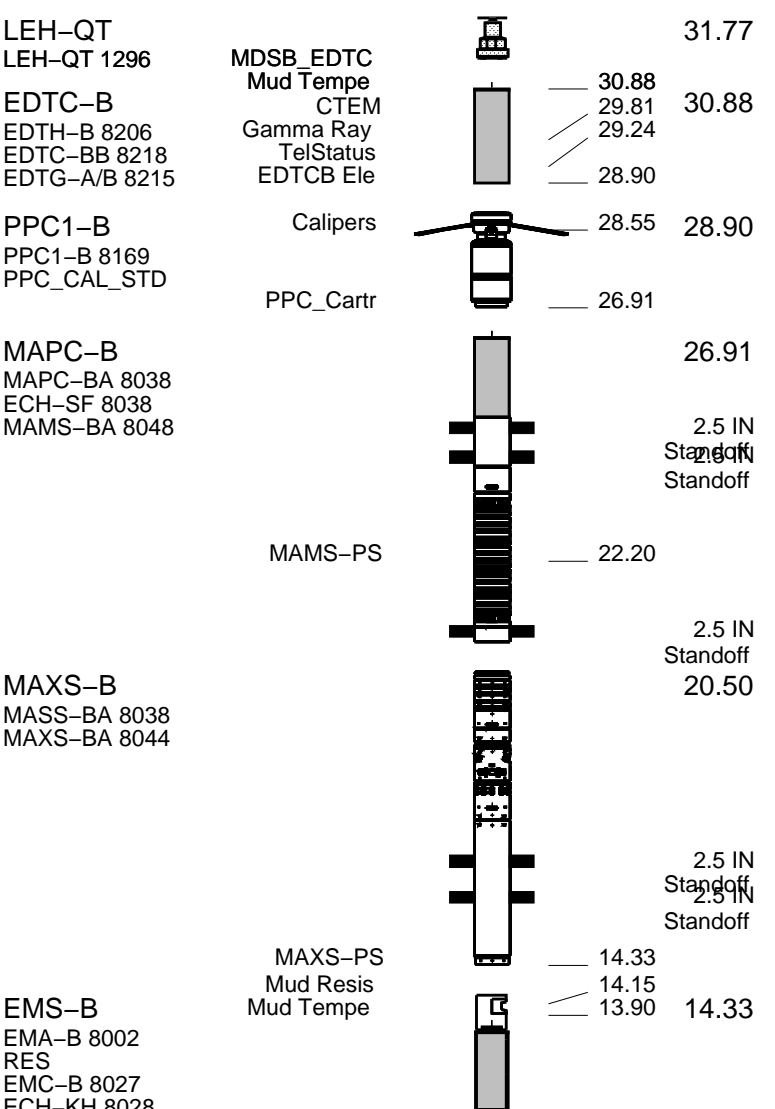
RUN 1			RUN 2		
SERVICE ORDER #:		ADVO-0003	SERVICE ORDER #:		
PROGRAM VERSION:		17C0-154	PROGRAM VERSION:		
FLUID LEVEL:		10 m	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

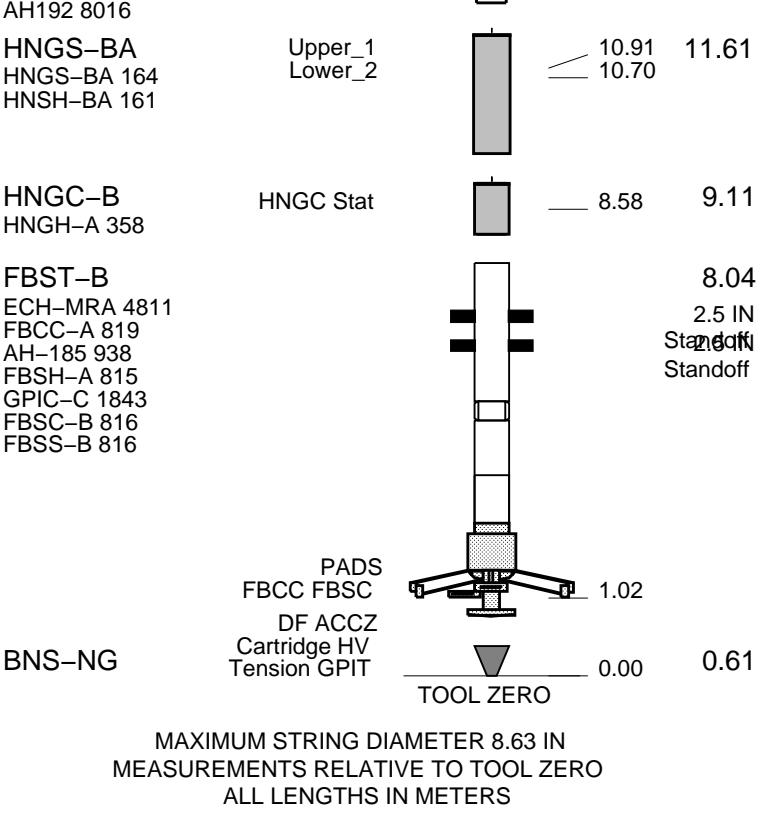
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT
 GSR-Y 1005
 WITM (EDTS)-A

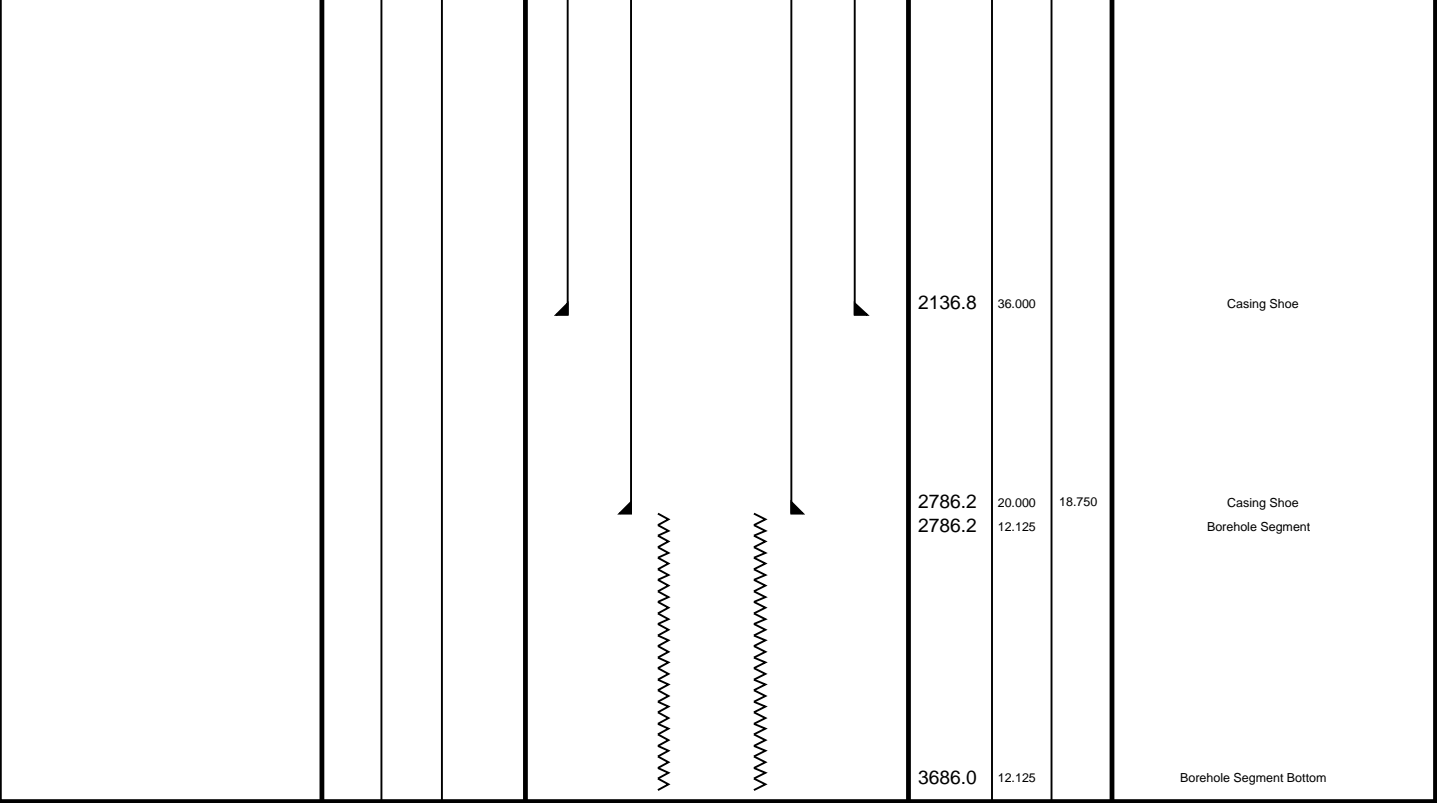
DOWNHOLE EQUIPMENT





Client: CDEX
 Well: C0009A
 Field: Nankai Trough
 State: Wakayama
 Country: JAPAN
 Rig Name: Chikyu
 Reference Datum: Mean Sea Level
 Elevation: 28.3 m
 Drawing Date: 7/11/2009

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
			28.3					
			0.0			2082.3	36.000	



**Main Log
1:500**

MAXIS Field Log

Company: CDEX Well: C0009A

Input DLIS Files

DEFAULT	FMI_NGS_EMS_MAXS_038LUP	FN:114	PRODUCER	13-Jul-2009 17:16	3659.9 M	2752.6 M
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Output DLIS Files

DEFAULT	FMI_NGS_EMS_CAL_006PUP	FN:30	PRODUCER	08-Aug-2009 16:43	3662.2 M	2755.8 M
CLIENT	FMI_NGS_EMS_CAL_006PUC	FN:31	CUSTOMER	08-Aug-2009 16:43	3662.2 M	2755.8 M

Integrated Hole/Cement Volume Summary

Hole Volume = 71.35 M3
 Cement Volume = 71.35 M3 (assuming 0.00 IN casing O.D.)
 Computed from 3662.2 M to 2785.1 M using data channel(s) C1 C2

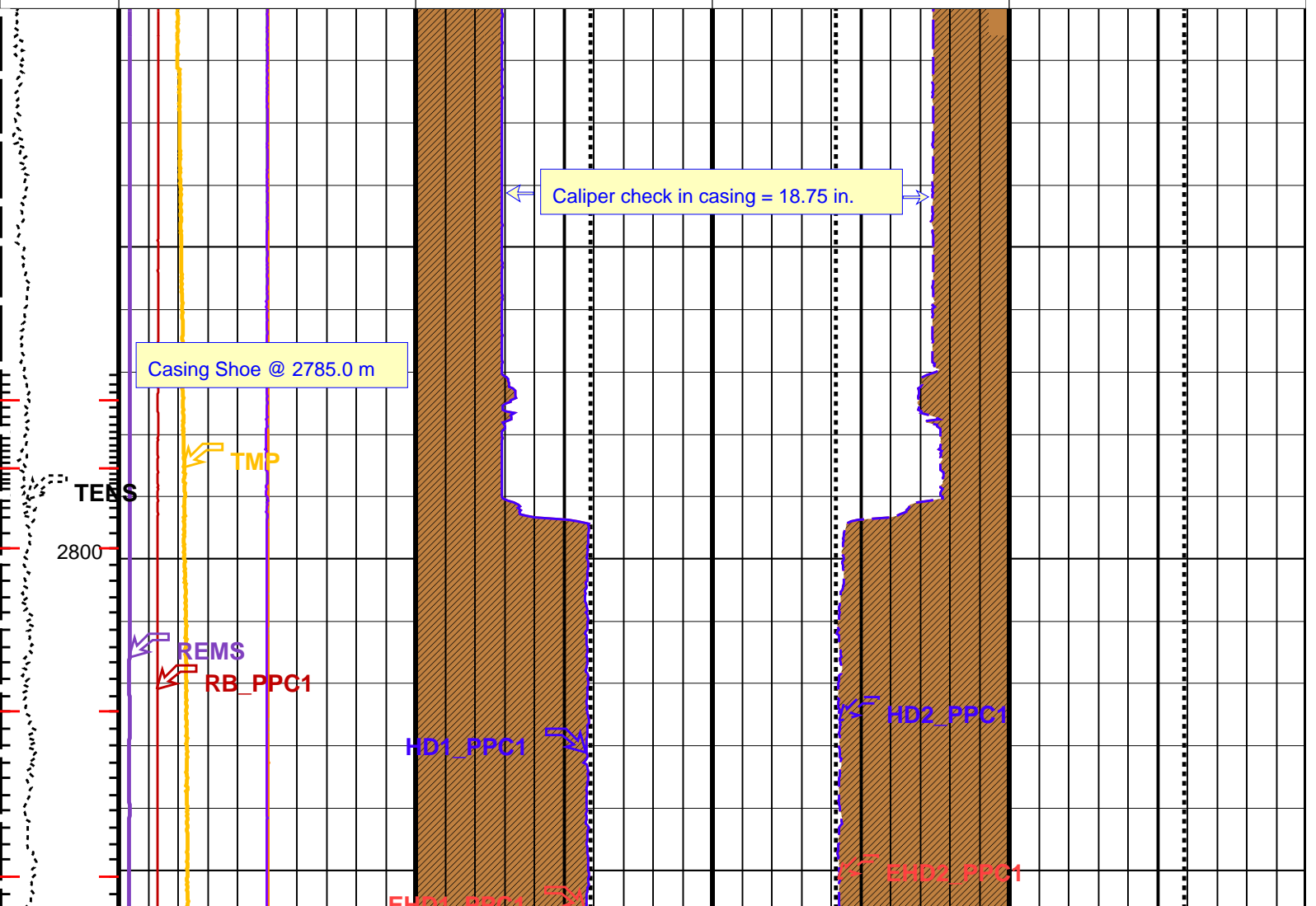
OP System Version: 17C0-154

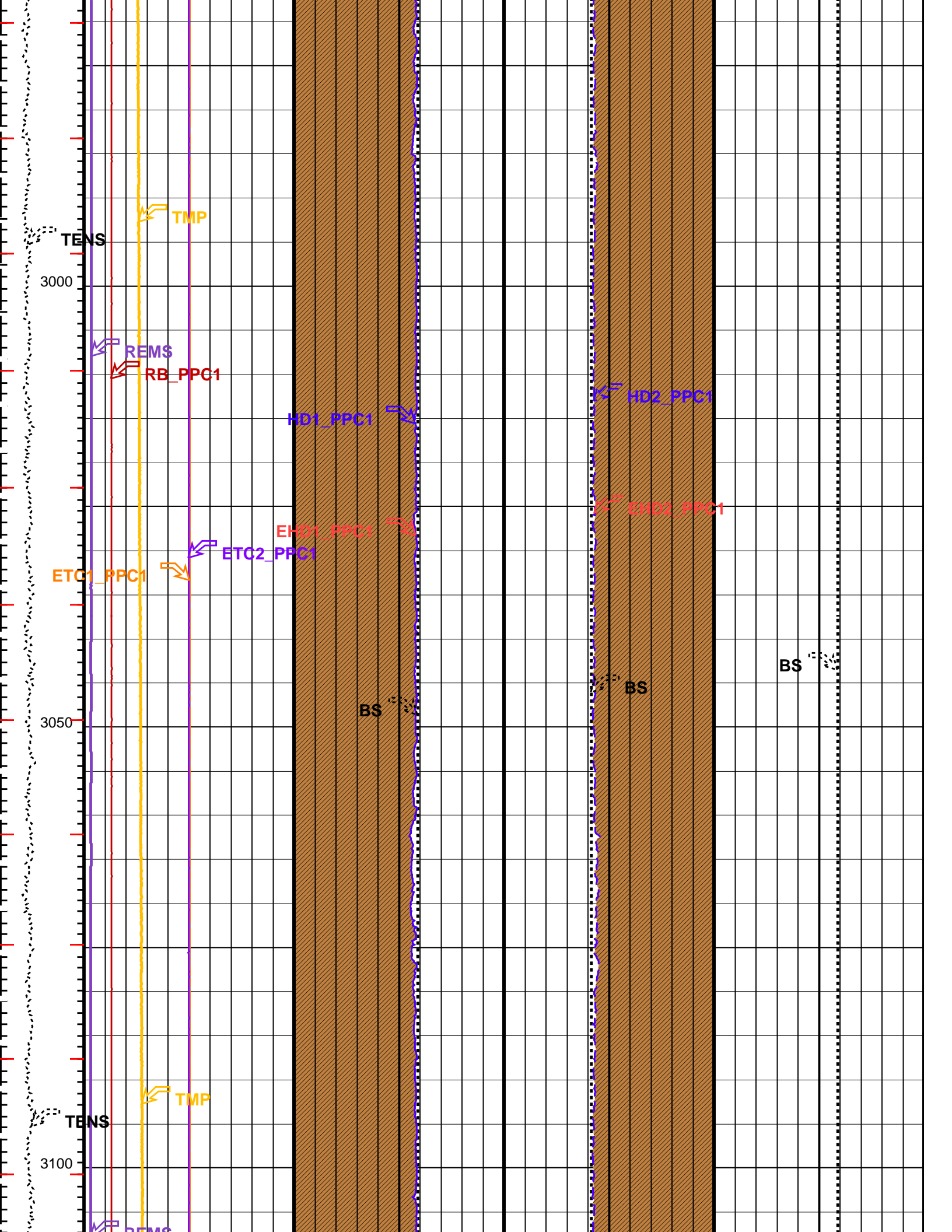
FBST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	SPC-3839-NUCL	EMS-B	17C0-154
PPC1-B	17C0-154	EDTC-B	17C0-154

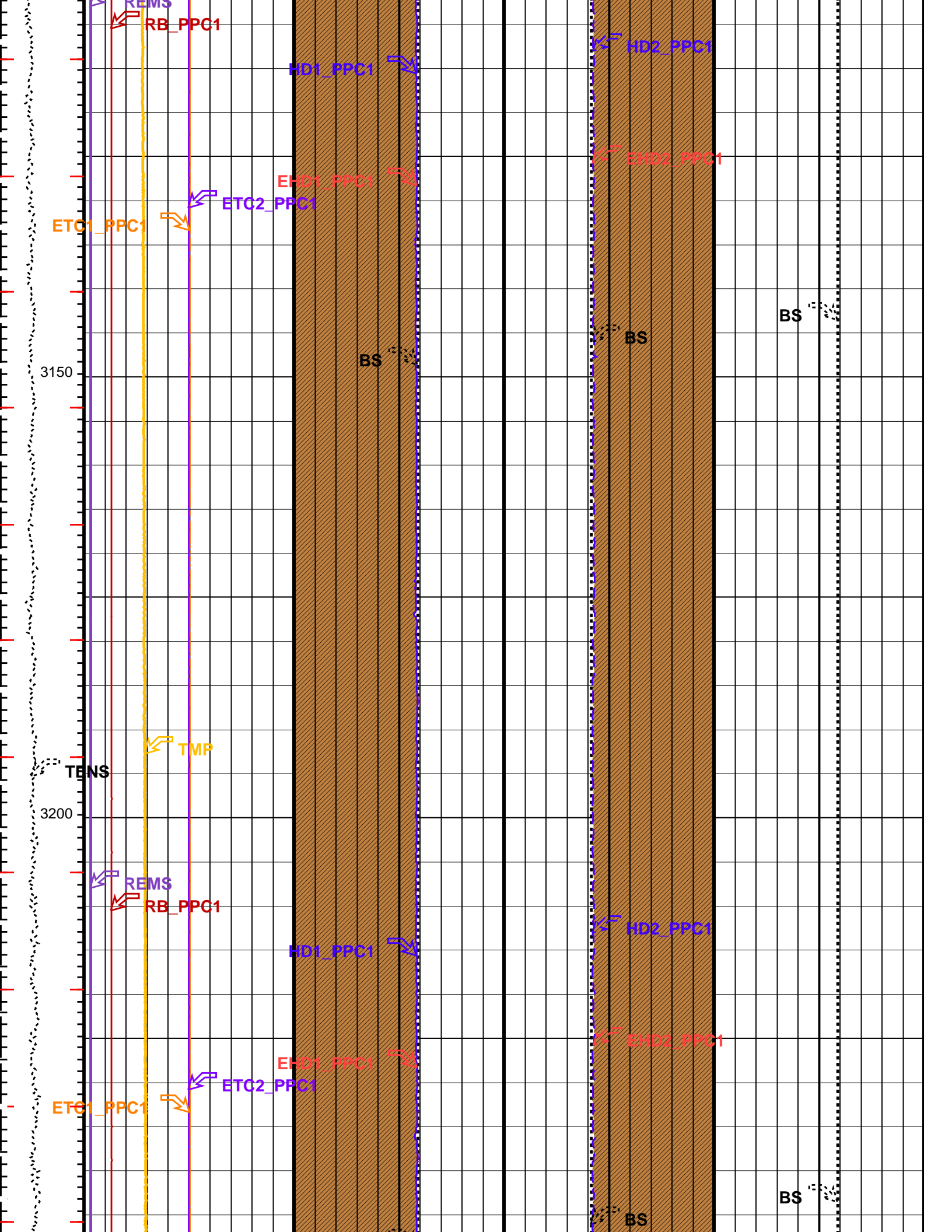
PIP SUMMARY

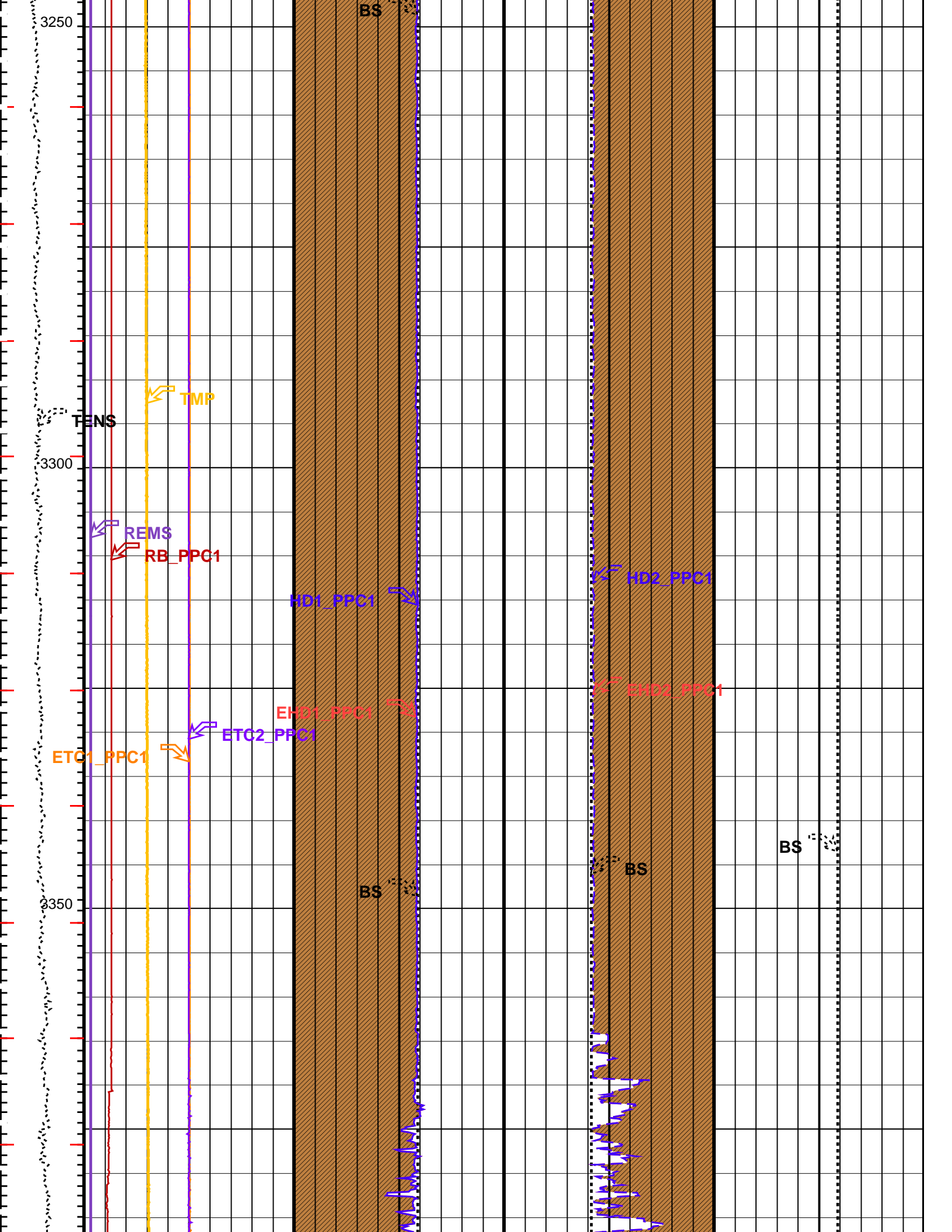
- ┆ Integrated Hole Volume Minor Pip Every 0.1 M3
- ┆ Integrated Hole Volume Major Pip Every 1 M3
- ┆ Integrated Cement Volume Minor Pip Every 0.1 M3
- ┆ Integrated Cement Volume Major Pip Every 1 M3
- ▣ Time Mark Every 60 S

	PPC1 Relative Bearing (RB_ PPC1)	HD difference From EHD1_PPC1 to HD1_ PPC1	HD difference From HD2_PPC1 to EHD2_ PPC1
0	(DEG) 360		
PPC1 Tool Center 2 (ETC2_ PPC1)		PPC1 Hole Diameter 1 (HD1_ PPC1)	Formation From EHD2_PPC1 to F3
-10	(IN) 10	24 (IN) 4	
Mud Temperature (TMP)		PPC1 Ellipse Hole Diameter 1 (EHD1_PPC1)	PPC1 Hole Diameter 2 (HD2_ PPC1)
0	(DEGC) 100	24 (IN) 4	4 (IN) 24
Mud Resistivity (REMS)		Formation From F2 to EHD1_PPC1	PPC1 Ellipse Hole Diameter 2 (EHD2_PPC1)
0	(OHMM) 2	4 (IN) 24	
Tension (TENS) (LBF)	PPC1 Tool Center 1 (ETC1_ PPC1)	Bit Size (BS)	Bit Size (BS)
-10	(IN) 10	24 (IN) 4	4 (IN) 24
0 2000			









3250

TENS

3300

TMP

REMS

RB_PPC1

HDI_PPC1

HD2_PPC1

EHD1_PPC1

ETC2_PPC1

ETC1_PPC1

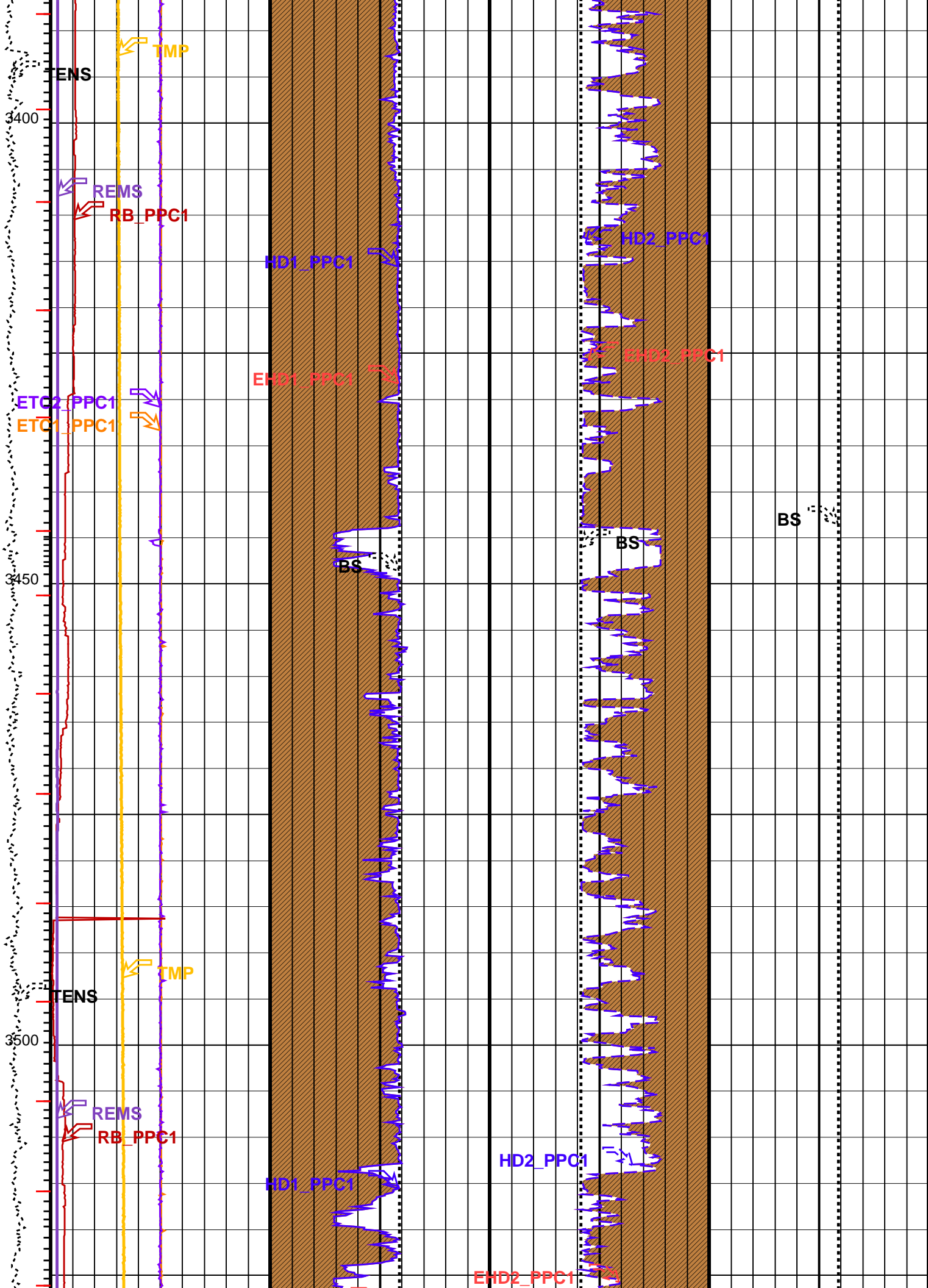
EHD2_PPC1

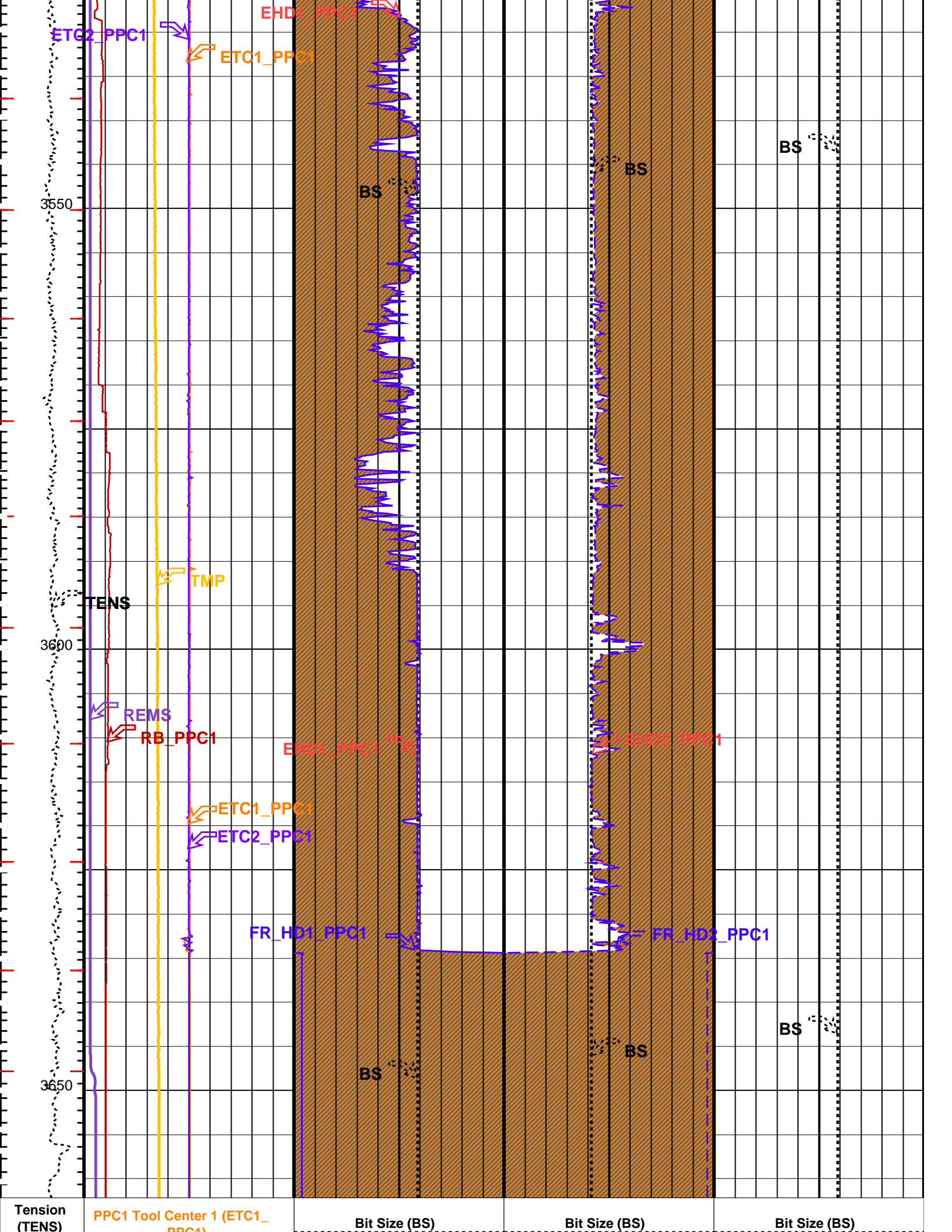
3350

BS

BS

BS





(LBF)	-10	PPC1 (IN)	10	24	(IN)	4	4	(IN)	24	24	(IN)	4
		Mud Resistivity (REMS)			Formation From F2 to EHD1_PPC1			PPC1 Ellipse Hole Diameter 2 (EHD2_PPC1)				
	0	(OHMM)	2					4	(IN)	24		
		Mud Temperature (TMP)			PPC1 Ellipse Hole Diameter 1 (EHD1_PPC1)			PPC1 Hole Diameter 2 (HD2_ PPC1)				
	0	(DEGC)	100	24	(IN)	4	4	4	(IN)	24		
		PPC1 Tool Center 2 (ETC2_ PPC1)			PPC1 Hole Diameter 1 (HD1_ PPC1)							
	-10	(IN)	10	24	(IN)	4						
		PPC1 Relative Bearing (RB_ PPC1)			HD difference From EHD1_PPC1 to HD1_ PPC1							
	0	(DEG)	360									
					HD difference From HD2_PPC1 to EHD2_ PPC1							

PIP SUMMARY

- ┆ Integrated Hole Volume Minor Pip Every 0.1 M3
- ┆ Integrated Hole Volume Major Pip Every 1 M3
- ┆ Integrated Cement Volume Minor Pip Every 0.1 M3
- ┆ Integrated Cement Volume Major Pip Every 1 M3
- Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
EMS-B:	Environment Measurement Sonde	
EMUD	EMS Mudcake Correction	OFF
FCD	Future Casing (Outer) Diameter	0 IN
HVCS	Integrated Hole Volume Caliper Selection	PPC1_Calipers
PPC1-B:	Powered Positioning Device/Caliper 1	
	PPC1 Caliper Type	CAL_STD
CLBD_PPC	PPC Calibration data selection	ROM
	System and Miscellaneous	
BS	Bit Size	12.250 IN
DO	Depth Offset for Playback	3.2 M
DORL	Depth Offset for Repeat Analysis	0.0 M
PP	Playback Processing	RECOMPUTE
TD	Total Depth	3667 M

Format: PPC HoleDia_500 Vertical Scale: 1:500 Graphics File Created: 08-Aug-2009 16:43

OP System Version: 17C0-154

FBST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	SPC-3839-NUCL	EMS-B	17C0-154
PPC1-B	17C0-154	EDTC-B	17C0-154

Input DLIS Files

DEFAULT	FMI_NGS_EMS_MAXS_038LUP	FN:114	PRODUCER	13-Jul-2009 17:16	3659.9 M	2752.6 M
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Output DLIS Files

DEFAULT	FMI_NGS_EMS_CAL_006PUP	FN:30	PRODUCER	08-Aug-2009 16:43
CLIENT	FMI_NGS_EMS_CAL_006PUC	FN:31	CUSTOMER	08-Aug-2009 16:43



Calibrations

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Full-Bore Scanner – B Wellsite Calibration – Caliper Calibration							
Before: 12-Jul-2009 11:56							
Caliper 1 Small Jig	8.000	N/A	7.973	N/A	N/A	N/A	IN
Caliper 2 Small Jig	16.00	N/A	16.03	N/A	N/A	N/A	IN
Caliper 1 Large Jig	16.00	N/A	15.80	N/A	N/A	N/A	IN
Caliper 2 Large Jig	8.000	N/A	7.906	N/A	N/A	N/A	IN
Full-Bore Scanner – B Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Jul-2009 12:49							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	4	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	852	N/A	N/A	N/A	
Full-Bore Scanner – B Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Jul-2009 12:49							
TEMPERATURE REFERENCE :	N/A	N/A	22	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	97	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	2	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	287	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56							
Na 511 Peak Loc	40.00	39.49	39.74	N/A	N/A	1.000	
Na 511 Peak Res	15.50	17.60	16.16	N/A	N/A	2.000	%
High Voltage	1150	1214	1215	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	143.1	143.6	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.645	9.431	N/A	N/A	2.000	%
Temperature	15.50	26.77	26.77	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	23.60	23.58	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56							
Na 511 Peak Loc	40.00	39.91	39.56	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.82	17.24	N/A	N/A	2.000	%
High Voltage	1150	1105	1106	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	144.3	143.7	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.151	8.788	N/A	N/A	2.000	%
Temperature	15.50	26.35	26.46	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	23.75	23.52	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56							
Coincidence Count Rate Ratio	1.000	0.9925	1.004	N/A	N/A	0.05000	
Powered Positioning Device/Caliper 1 Wellsite Calibration – PPC1 Caliper Calibration							
Before: 12-Jul-2009 12:03							
PPC1 Radius 1 Raw Small Radius	3.500	N/A	4.426	N/A	N/A	0.5000	IN
PPC1 Radius 1 Raw Large Radius	8.000	N/A	8.666	N/A	N/A	0.5000	IN
PPC1 Radius 2 Raw Small Radius	3.500	N/A	3.337	N/A	N/A	0.5000	IN
PPC1 Radius 2 Raw Large Radius	8.000	N/A	7.746	N/A	N/A	0.5000	IN
PPC1 Radius 3 Raw Small Radius	3.500	N/A	4.219	N/A	N/A	0.5000	IN
PPC1 Radius 3 Raw Large Radius	8.000	N/A	8.465	N/A	N/A	0.5000	IN
PPC1 Radius 4 Raw Small Radius	3.500	N/A	2.510	N/A	N/A	0.5000	IN
PPC1 Radius 4 Raw Large Radius	8.000	N/A	7.022	N/A	N/A	0.5000	IN
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 12-Jul-2009 13:01							
EDTC Z-Axis Acceleration	9.810	N/A	9.794	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 12-Jul-2009 12:51							
Gamma Ray (Jig – Bkg)	167.1	N/A	167.1	N/A	N/A	15.19	GAPI
Gamma Ray (Calibrated)	160.0	N/A	160.0	N/A	N/A	15.00	GAPI

Primary Equipment:		
FullBore Scanner Sonde	FBSS – B	816
FullBore Scanner Sonde Upper part	FBSH – A	815
FullBore Scanner Sonde Cartridge	FBSC – B	816
GPIT Cartridge – C	GPIC – C	1843
Insulating Sub	AH – 185	938
FullBore Scanner Control Cartridge	FBCC – A	819
Auxiliary Equipment:		
Electronics Cartridge Housing	ECH – MRA	4811

Full-Bore Scanner – B Wellsite Calibration					
Caliper Calibration					
Phase	Caliper 1 Small Jig IN	Value	Phase	Caliper 2 Small Jig IN	Value
Before		7.973	Before		16.03
	6.800 (Minimum) 8.000 (Nominal) 9.200 (Maximum)			13.60 (Minimum) 16.00 (Nominal) 18.40 (Maximum)	
Phase	Caliper 1 Large Jig IN	Value	Phase	Caliper 2 Large Jig IN	Value
Before		15.80	Before		7.906
	13.60 (Minimum) 16.00 (Nominal) 18.40 (Maximum)			6.800 (Minimum) 8.000 (Nominal) 9.200 (Maximum)	

Before: 12-Jul-2009 11:56

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:		
HNGC Cartridge	HNGC – B	424
Auxiliary Equipment:		
HNGC Housing	HNGH – A	358

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:		
HNGS Sonde	HNGS – BA	164
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH – BA	161
Gamma Source Radioactive	GSR – Y	1005

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.49	Master		17.60	Master		1214
Before		39.74	Before		16.16	Before		1215
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		143.1	Master		9.645	Master		26.77
Before		143.6	Before		9.431	Before		26.77
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		23.60						
Before		23.58						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 5-Jul-2009 18:42 Before: 5-Jul-2009 18:56

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.91	Master		16.82	Master		1105

Before		39.56	Before		17.24	Before		1106
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		144.3	Master		9.151	Master		26.35
Before		143.7	Before		8.788	Before		26.46
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		23.75						
Before		23.52						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 5-Jul-2009 18:42			Before: 5-Jul-2009 18:56					

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9925
Before		1.004
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 5-Jul-2009 18:42		
Before: 5-Jul-2009 18:56		


Multimode Array Sonic Power Cartridge / Equipment Identification			
Primary Equipment:			
Multimode Array Sonic Minimum Service So	MAMS - BA	8048	
Multimode Array Sonic Control Cartridge	MAPC - BA	8038	
Auxiliary Equipment:			
Electronics Cartridge Housing	ECH - SF	8038	

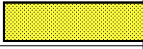


Powered Positioning Device/Caliper 1 / Equipment Identification			
Primary Equipment:			
PPC Powered Positioning Device/Caliper	PPC1 - B	8169	
PPC1 Caliper Standard	PPC_ -		
Auxiliary Equipment:			

Powered Positioning Device/Caliper 1 Wellsite Calibration					
PPC1 Caliper Calibration					
Phase	PPC1 Radius 1 Raw Small Radius IN	Value	Phase	PPC1 Radius 1 Raw Large Radius IN	Value
Before		4.426	Before		8.666
	1.200 (Minimum) 3.500 (Nominal) 5.600 (Maximum)			6.100 (Minimum) 8.000 (Nominal) 9.700 (Maximum)	
Phase	PPC1 Radius 2 Raw Small Radius IN	Value	Phase	PPC1 Radius 2 Raw Large Radius IN	Value
Before		3.337	Before		7.746
	1.200 (Minimum) 3.500 (Nominal) 5.600 (Maximum)			6.100 (Minimum) 8.000 (Nominal) 9.700 (Maximum)	
Phase	PPC1 Radius 3 Raw Small Radius IN	Value	Phase	PPC1 Radius 3 Raw Large Radius IN	Value
Before		4.219	Before		8.465
	1.200 (Minimum) 3.500 (Nominal) 5.600 (Maximum)			6.100 (Minimum) 8.000 (Nominal) 9.700 (Maximum)	
Phase	PPC1 Radius 4 Raw Small Radius IN	Value	Phase	PPC1 Radius 4 Raw Large Radius IN	Value
Before		2.510	Before		7.022
	1.200 (Minimum) 3.500 (Nominal) 5.600 (Maximum)			6.100 (Minimum) 8.000 (Nominal) 9.700 (Maximum)	
Before: 12-Jul-2009 12:03					

Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:		
EDTC Gamma Ray Detector	EDTG – A/B	8215
Enhanced DTS Cartridge	EDTC – BB	8218
Auxiliary Equipment:		
EDTC Housing	EDTH – B	8206

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.794
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 12-Jul-2009 13:01		

Enhanced DTS Cartridge Wellsite Calibration									
Detector Calibration									
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig – Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value	
Before		3.157	Before		167.1	Before		160.0	
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			151.9 (Minimum) 167.1 (Nominal) 182.3 (Maximum)			145.0 (Minimum) 160.0 (Nominal) 175.0 (Maximum)		
Before: 12-Jul-2009 12:51									

Company: **CDEX**



Well: **C0009A**

Field: **Kumanonada, Offshore Kii peninsula**

Rig: **Chikyu**

Country: **JAPAN**

PPC Borehole Volume
3634.7m – 2785.0m
Suite 1, Run 2 (1:500)